

chain nodes :

7 8 9 16 17 18 19 20 21 22

ring nodes :

1 2 3 4 5 6 10 11 12 13 14 15

chain bonds :

5-7 7-8 7-10 7-9 9-16 16-17 17-18 18-19 19-20 20-21 21-22

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 10-11 10-15 11-12 12-13 13-14 14-15

exact/norm bonds :

1-2 1-6 2-3 3-4 4-5 5-6 10-11 10-15 11-12 12-13 13-14 14-15

exact bonds :

5-7 7-8 7-10 7-9 9-16 16-17 17-18 18-19 19-20 20-21 21-22

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:Atom  
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:CLASS 19:CLASS  
20:CLASS 21:CLASS 22:CLASS

# STN Columbus

\*\*\*\*\* Welcome to STN International \*\*\*\*\*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
 NEWS 2 "Ask CAS" for self-help around the clock  
 NEWS 3 SEP 01 New pricing for the Save Answers for SciFinder Wizard within  
 STN Express with Discover!  
 NEWS 4 OCT 28 KOREAPAT now available on STN  
 NEWS 5 NOV 30 PHAR reloaded with additional data  
 NEWS 6 DEC 01 LISA now available on STN  
 NEWS 7 DEC 09 12 databases to be removed from STN on December 31, 2004  
 NEWS 8 DEC 15 MEDLINE update schedule for December 2004  
 NEWS 9 DEC 17 ELCOM reloaded; updating to resume; current-awareness  
 alerts (SDIs) affected  
 NEWS 10 DEC 17 COMPUAB reloaded; updating to resume; current-awareness  
 alerts (SDIs) affected  
 NEWS 11 DEC 17 SOLIDSTATE reloaded; updating to resume; current-awareness  
 alerts (SDIs) affected  
 NEWS 12 DEC 17 CERAB reloaded; updating to resume; current-awareness  
 alerts (SDIs) affected  
 NEWS 13 DEC 17 THREE NEW FIELDS ADDED TO IFIPAT/IFIUDB/IFICDB  
  
 NEWS EXPRESS OCTOBER 29 CURRENT WINDOWS VERSION IS V7.01A, CURRENT  
 MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
 AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004  
 NEWS HOURS STN Operating Hours Plus Help Desk Availability  
 NEWS INTER General Internet Information  
 NEWS LOGIN Welcome Banner and News Items  
 NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
 NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that  
 specific topic.

All use of STN is subject to the provisions of the STN Customer  
 agreement. Please note that this agreement limits use to scientific  
 research. Use for software development or design or implementation  
 of commercial gateways or other similar uses is prohibited and may  
 result in loss of user privileges and other penalties.

\*\*\*\*\* STN Columbus \*\*\*\*\*

FILE 'HOME' ENTERED AT 14:05:38 ON 28 DEC 2004

=> fil reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 14:05:50 ON 28 DEC 2004

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
 COPYRIGHT (C) 2004 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file  
 provided by InfoChem.

STRUCTURE FILE UPDATES: 26 DEC 2004 HIGHEST RN 802853-20-9  
 DICTIONARY FILE UPDATES: 26 DEC 2004 HIGHEST RN 802853-20-9

## STN Columbus

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more  
information enter HELP PROP at an arrow prompt in the file or refer  
to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

L1 SCREEN CREATED

=>

L2 STRUCTURE UPLOADED

=>

L3 QUE L2 AND L1

=> s sam sss l3

SAMPLE SEARCH INITIATED 14:06:55 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 0 TO 0

PROJECTED ANSWERS: 0 TO 0

L4 0 SEA SSS SAM L2 AND L1

=> log h

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.84

1.05

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 14:07:15 ON 28 DEC 2004

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \*

SESSION RESUMED IN FILE 'REGISTRY' AT 14:09:15 ON 28 DEC 2004

FILE 'REGISTRY' ENTERED AT 14:09:15 ON 28 DEC 2004

COPYRIGHT (C) 2004 American Chemical Society (ACS)

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.84

1.05

=>

L5 SCREEN CREATED

=>

L6 STRUCTURE UPLOADED

=>

L7 QUE L6 AND L5

=> s sam sss l7

# STN Columbus

SAMPLE SEARCH INITIATED 14:09:58 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 69 TO ITERATE

100.0% PROCESSED 69 ITERATIONS 3 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 882 TO 1878  
PROJECTED ANSWERS: 3 TO 163

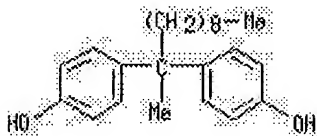
L8 3 SEA SSS SAM L6 AND L5

=> d scan

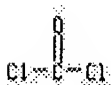
L8 3 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN  
IN Carbonic dichloride, polymer with 4,4'-(1-methyldecylidene)bis[phenol]  
(9CI)  
MF (C23 H32 O2 . C Cl2 O)x  
CI PMS

\*\*RELATED POLYMERS AVAILABLE WITH POLYLINK\*\*

CM 1



CM 2



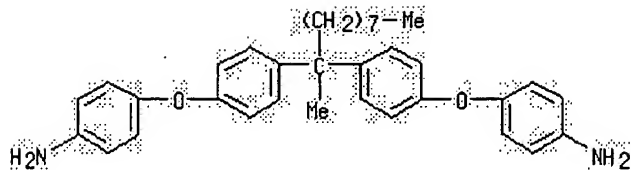
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L8 3 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN  
IN 1H,3H-Benzo[1,2-c:4,5-c']difuran-1,3,5,7-tetrone, polymer with  
4,4'-[(1-methylnonylidene)bis(4,1-phenyleneoxy)]bis[benzenamine] (9CI)  
MF (C34 H40 N2 O2 . C10 H2 O6)x  
CI PMS

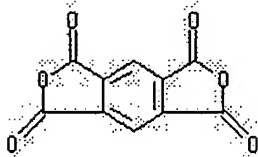
\*\*RELATED POLYMERS AVAILABLE WITH POLYLINK\*\*

CM 1

# STN Columbus



CM 2

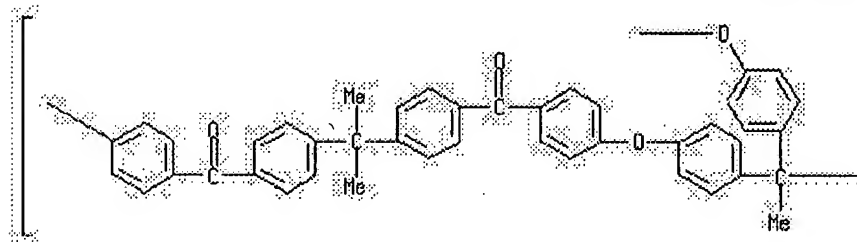


HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

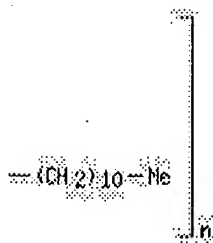
L8 3 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN  
 IN Poly[oxy-1,4-phenylene(1-methyldodecylidene)-1,4-phenyleneoxy-1,4-phenylenecarbonyl-1,4-phenylene(1-methylethylidene)-1,4-phenylenecarbonyl-1,4-phenylene] (9CI)  
 MF (C54 H56 O4)n  
 CI PMS

\*\*RELATED POLYMERS AVAILABLE WITH POLYLINK\*\*

PAGE 1-A



PAGE 1-B



ALL ANSWERS HAVE BEEN SCANNED

# STN Columbus

=> d his

(FILE 'HOME' ENTERED AT 14:05:38 ON 28 DEC 2004)

FILE 'REGISTRY' ENTERED AT 14:05:50 ON 28 DEC 2004

```
L1          SCREEN 2043
L2          STRUCTURE UPLOADED
L3          QUE L2 AND L1
L4          0 S SAM SSS L3
L5          SCREEN 2043
L6          STRUCTURE UPLOADED
L7          QUE L6 AND L5
L8          3 S SAM SSS L7
```

=> s full sss l7

FULL SEARCH INITIATED 14:11:12 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 1534 TO ITERATE

100.0% PROCESSED 1534 ITERATIONS  
SEARCH TIME: 00.00.01

118 ANSWERS

L9 118 SEA SSS FUL L6 AND L5

=> e polyurethane/pct

```
E1 18060 POLYUREA/PCT
E2 16420 POLYUREA FORMED/PCT
E3 67853 --> POLYURETHANE/PCT
E4 64657 POLYURETHANE FORMED/PCT
E5 169328 POLYVINYL/PCT
E6 697 PPH/PCT
E7 349 PPH F/PCT
E8 1115 PPSZ/PCT
E9 794 PPSZ F/PCT
E10 1006 PQ/PCT
E11 410 PQ F/PCT
E12 15739 PR/PCT
```

=> s e3 or e4

```
67853 POLYURETHANE/PCT
64657 "POLYURETHANE FORMED"/PCT
L10 67853 POLYURETHANE/PCT OR "POLYURETHANE FORMED"/PCT
```

=> s l10 and l9

L11 4 L10 AND L9

=> fil ca; s l11

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	170.72	170.93

FILE 'CA' ENTERED AT 14:11:51 ON 28 DEC 2004

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching

# STN Columbus

databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 23 Dec 2004 VOL 142 ISS 1  
FILE LAST UPDATED: 23 Dec 2004 (20041223/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

L12 1 L11

=> d bib

L12 ANSWER 1 OF 1 CA COPYRIGHT 2004 ACS on STN

Full Text

AN 138:98156 CA  
TI Electrophotographic photoreceptor containing polymer particles, process cartridge, apparatus, and electrophotographic method  
IN Kawamura, Shinichi; Nagai, Kazukiyo; Li, Hung Guo  
PA Ricoh Co., Ltd., Japan  
SO Jpn. Kokai Tokkyo Koho, 22 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003005394	A2	20030108	JP 2001-188435	20010621
PRAI	JP 2001-188435		20010621		

=> s 19

L13 52 L9

=> s l13 and (polyurethane or urethane)

108353 POLYURETHANE

109643 URETHANE

L14 1 L13 AND (POLYURETHANE OR URETHANE)

=> s l14 not l12

L15 1 L14 NOT L12

=> d bib

L15 ANSWER 1 OF 1 CA COPYRIGHT 2004 ACS on STN

Full Text

AN 136:207670 CA  
TI Electrophotographic photoconductor, image forming method and apparatus, and process cartridge using the photoconductor, and long-chain alkyl group containing bisphenol compound and polymer made therefrom  
IN Kawamura, Shinichi; Nagai, Kazukiyo; Shimada, Tomoyuki; Tanaka, Chiaki; Namba, Michihiko  
PA Ricoh Company, Ltd., Japan  
SO U.S. Pat. Appl. Publ., 40 pp.  
CODEN: USXXCO  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
--	------------	------	------	-----------------	------

# STN Columbus

PI	US 2002025483	A1	20020228	US 2001-814722	20010323
	US 6548216	B2	20030415		
	JP 2002202621	A2	20020719	JP 2001-47310	20010222
	US 2003198881	A1	20031023	US 2003-364514	20030212
	US 2004131960	A1	20040708	US 2003-735929	20031216
PRAI	JP 2000-83304	A	20000324		
	JP 2000-323941	A	20001024		
	JP 2001-47310	A	20010222		
	US 2001-814722	A3	20010323		
	US 2003-364514	A3	20030212		
OS	MARPAT 136:207670				

=>